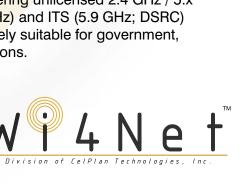
## **Broadband Wireless Communications Solution**



- Multi frequency band support (2.4 GHz, 4.9 GHz 5.9 GHz)
- Software selectable channel size (5, 10, 20 or 40 MHz)
- Point-to-point, point-to-multipoint or mesh (static or dynamic)
- Outdoor enclosures for 2, 4 or 6 radio designs
- PC card (CardBus) form-factor for mobile applications
- Dynamic frequency selection
- AES 128-bit encryption
- High output power option (up to 33 dBm)
- Antenna diversity for up to 15 dB gain
- Battery backup option

**FlexiRadio™** features a family of professional radio products offering unparalleled flexibility in the design of wireless broadband networks. Offering data rates of up to 108 Mbps, FlexiRadio wireless radios can be configured for point-to-point, point-to-multipoint or self-healing mesh architectures. Each radio offers dynamic multi-band capabilities, covering unlicensed 2.4 GHz / 5.x GHz spectrum and licensed public safety (4.9 GHz) and ITS (5.9 GHz; DSRC) spectrum, making the FlexiRadio solution ultimately suitable for government, public safety, video surveillance and ITS applications.



## **Specifications:**

## **Radio Specifications**

Radio interface	IEEE 802.11a/b/g PS (Public Safety), based on 802.11a ITS (Intelligent Transportation System), based on 802.11a
Modulation scheme	OFD <mark>M (BPS</mark> K, QPSK, 16-QAM, 64-QAM)
Frequency support	ISM: 2.4-2.4835 GHz UNII: 5.15-5.25, 5.25-5.35, 5.47-5.725, 5.725-5.825 GHz PS: 4.940-4.990 GHz ITS: 5.850-5.925 GHz
Channel bandwidth	5, 10, 20, 40 MHz
Output power	20 dBm (FR-100, FR-200/210) (higher power available as option)
Sensitivity	Data rate (Mbps): 54 48 36 24 18 12 9 6 1 20 MHz channel: -72 -74 -81 -84 -86 -88 -89 -91 -99 10 MHz channel: -77 -84 -87 -89 -91 -99 5 MHz channel: -80 -87 -90 -99
Features	
Operating modes	Access Point, Wireless Bridge, Client, Ad-Hoc, Mesh
Security	IEEE 802.1x network access control, RADIUS WEP 152/128/64-bit, AES 128-bit, WPA, WPA2, TKIP
Quality of service	IEEE 802.1p / 802.1q, WME (Wireless Media Extension)
Interference	Transmit power control
Management  Electrical and Er	Wi4Net Management Utility, SNMP, Telnet
Operating temperature	-20°C to 55°C (95% non-condensing) (FR-100 with any outdoor enclosure) (Heater option available for extreme conditions) -10°C to 55°C (95% non-condensing) (FR-200/210)
Input voltage	110-240 V <sub>AC</sub> , 12 V <sub>DC</sub> (FR-200/210 receives input voltage (DC) through CardBus interface)
Standards	
FCC	Part 15, Part 90, ET Docket 003-201 R&O, Bulletin OET-65C

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